

ELECTRO-ACTIVE DEVICE HAVING METAL-CONTAINING LAYER

ABSTRACT OF INVENTION

[0044] An electro-active device, such as a photovoltaic cell or an OLED, is disclosed. The electro-active device comprises a substrate; a first electrode disposed on a surface of the substrate; a second electrode; at least one electro-active layer disposed between the first electrode and the second electrode, wherein the at least one active layer comprises one of a light absorbing layer and a light emitting layer; and a first metal-containing layer disposed between the first electrode and the electro-active layer; and a second metal-containing layer disposed between the least one active layer and one of the first electrode and the second electrode. The first metal-containing layer comprises at least one metal disposed in a plurality of domains. At least one of the first electrode and the second electrode is a transparent electrode. A metal-containing layer for an electro-active device and a method of making such a metal-containing layer are also disclosed.